## February 2022

## **OPERATIONS' DEPARTMENT MONTHLY REPORT**

	HIGH	LIFT	LO	N LIFT	2022 VS 2021
PUMPAGE	2021	2022	2021	2022	HL
Total in MG	. 330.364	352.820	329.799	354,732	6,80%
Daily Average (MG)	11.799	12.620	11.779	12,669	
Max. Day (MG)	13.433	13.987	13.627	13.984	2022 V\$ 2020
	-				HL
Gai/KwH	1,170	1,185	5,193	4,824	2.22%
ELECTRICAL COSTS			<del></del>	0000	
	2021		(211	2022	
A. Pumping:	KwH	\$	KwH	\$	
High Lift	280,898	\$21,830.97	296,051		
Low Lift	63,237	\$4,914.68	73,034		
Wash Pump 1	2,100	\$163.21	3,500	\$282.80	
Georgia St. Bstr.	52.800	\$4,868.34	47,700	\$4,931.36	
Wilgus Ave. Bstr.	2.800	\$349,21	2,800		
EE Pit / Bstr.	5,208	\$614.81	5,401		
Erie Ave. Bstr.	0,200	\$0.00	0,401		\$/KwH
Sub Total	407,043	\$32,741.22	428,486		4.8%
our rotal	407,040	<b>402,741,22</b>	420,400	400,101102	1.070
B. Treat./Fiscal/Misc.	KwH	\$	KwH	\$	
Office & Maint, Bldg.	4,941	\$574.56	4,601	\$479.78	
Filter Plant / Pump Station / 2nd Service	54,765	\$4,822.34	56,415		
					\$/KwH
Sub Total	59,706	\$5,396.90	61,016	\$5,530.79	0.3%
C. Distribution:	KwH	\$	KwH	\$	
Taylor Hill Tank	2,579	\$316.29	2,381	\$318.68	
Kohler Meter Pit	0	\$0.00	0	\$0.00	
EE Tower	1,510	\$192.72	1,852	\$252.66	
Washington (PRV) Pit	1,643	\$219.40	1,338	\$197.00	
Sub Total	5,732	\$728.41	5,571	\$768.34	\$/KwH
Total Electrical Costs	472,481	\$38,866.53	495,073	\$42,406.46	4.1%
Electrical Cost / MG	<u> </u>	\$117.65		\$120.01	
	2021	<del></del>		2022	
NATURAL GAS COSTS	CCF Used	Cost	CCF Used	Cost	
			OOI Oseu	0031	
Production Facility	1,969 3,694	\$938.11 \$1,793.02			
South Basin	3,094	\$1,793.02			
Georgia St. Bstr. Erie Ave. Bstr.	486	\$468.41			
Wilgus Ave. Bstr.	700	ψ400.4τ	76	\$73.47	
Office & Maint. Bldg.	1,570	\$868,60		*******	\$/CCF
Total Natural Gas Costs	7,810	\$4,175.99	76	\$73,47	80.8%
Natural Gas Cost / MG	,,,,,,	\$12.64		\$0.21	
Hatelal Gas Goot/ IIIG		4		·····	
	2021			2022	
CHEMICAL COSTS	Lbs. Used	Cost	Lbs. Used	Cost	
Alum	53,349	\$7,548.88	81,457	\$14,784,45	28.3%
Carbon	0	\$0.00	0		#DIV/0!
Chlorine	5,368	\$3,703.92	5,729		114.5%
Fluoride	1,439	\$1,564.19	1,739		27.9%
KMnO4	0	\$0.00	. 0		#DIV/0!
Cationic Polymer	44	\$68.36	1,371		-0.2%
Liquid Phosphate	2,409	\$3,184.70	3,064		19.4%
Total Chemical Costs	·	\$16,070.05		\$32,640.77	103.1%
Chemical Cost / MG		\$48.64		\$92.37	
	Grand Total	\$59,112.57		\$75,120.70	27.08%
	Total Cost / MG	\$178.93		\$212.59	18.81%
	TOTAL COST ING	ψ H 0.00		Ψ2 : 2:00	.5.51.75
	T VID III IIICU DA	/ DUMBAGE 1	13.987	February 17, 2022	
YTD HI 2022 vs 2021 4 27%	THE HILLS THE				
YTD HL 2022 vs 2021 4.27%  YTD HL 2022 vs 2020 -0.17%	YTD HL HIGH DAY				
YTD HL 2022 vs 2021 4.27% YTD HL 2022 vs 2020 -0.17%	YTD HL HIGH DAY		7.587	January 1, 2022	YTD HL Ave D
					YTD HL Ave D 12.187

Electrical costs include an Alliant Energy 8.3% rate increase approved by PSC. bills not available.

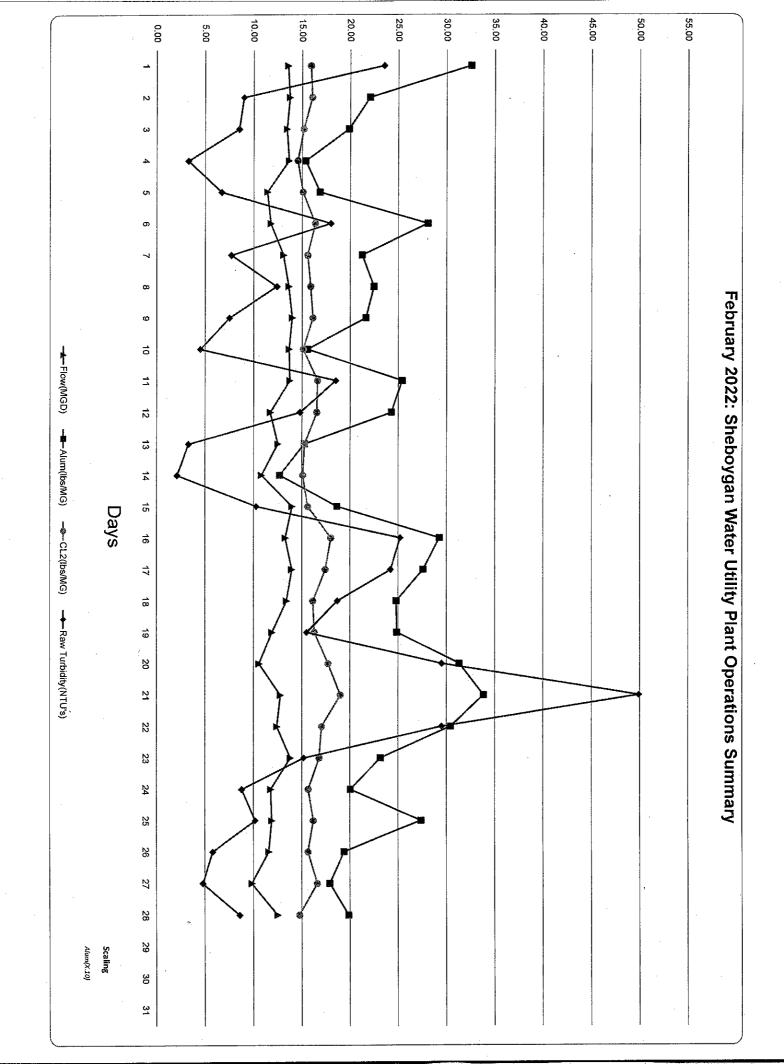
	2022	12.187
WPS	2021	11.557
	2020	12.042

		COM	IPARATIVE SUMMAI	RY OF PLANT OPER	RATIONS		
			February 2021	_ vs _	February 2022	_	
Pumping Record	Higi	n Lift	,		Low	Lift	
Γ	2021	2022	Diff.	7	2021	2022	Diff.
Tot. Water in MG	330.364	352.820	6.80%	Tot. Water in MG	329.799	354.732	7.56%
Daily Average	11.799	12.620	6.96%	Daily Average	11.779	12.669	7.56%
Maximum Day	13.433	13.987	4.12%	Maximum Day	13.627	13.984	2.62%
Minimum Day	9.471	9.989	5.47%	Minimum Day	9.496	9.866	3.90%
By Natural Gas	1.610	2.433	51.12%	By Natural Gas	1.416	2.433	71.82%
Power in KWH	280,898	296,051	5.39%	Power in KWH	63,237	73,034	15.49%
Gals. per KWH	1,170	1,185	1.31%	Gals. per KWH	5,193	4,824	-7.11%
Power \$ / KWH	\$0.07772	\$0.08080	3.96%	Power \$ / KWH			
Power \$ / MG	\$66.08	\$67.70	\$1.62	Power \$ / MG	\$14.90	\$16.64	\$1.74
Tot. Power \$/MG	\$118.92	\$121.26	\$2.34	Tot. Power \$/MG			
_							
Treatment Chem.	Lbs.	Used				Cost	
Total Lbs.	2021	2022	Diff.	Total Cost	2021	2022	Diff.
Alum	53,349	81,457	52.69%	Alum	\$7,548.88	\$14,784.45	\$7,235.57
Carbon			#DIV/0!	Carbon	\$0.00	\$0.00	\$0.00
Chlorine	5,368	5,729	6.73%	Chlorine	\$3,703.92	\$8,478.92	\$4,775.00
KMnO4	0	0	#DIV/0!	KMnO4	\$0.00	\$0.00	\$0.00
Polymer	44	1,371	3016.14%	Polymer	\$68.36	\$2,125.21	\$2,056.85
Liquid Phosphate	2,409	3,064	27.19%	Liquid Phosphate	\$3,184.70	\$4,834.99	\$1,650.29
Lb/ MG:				Cost / MG:			
Alum	161.8	229.6	41.96%	Alum	\$22.89	\$41.68	\$18.79
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	16.3	16.2	-0.78%	Chlorine	<b>\$11.2</b> 3	\$23.90	\$12.67
KMnO4	0.0	0.0	#DIV/0!	KMnO4	#DIV/0!	#DIV/0!	#DIV/0!
Liquid Phosphate	7.3	8.6	18.25%	Liquid Phosphate	\$9.66	\$13.63	\$3.97
Fluoride:	2021	2022	1	Fluoride:	2021	2022	1 ,
Total Lbs.	1,439	1,739	20.85%	Cost	\$1,564.19	\$2,417.21	\$853.02
mg/l applied as F	0.69	0.67	20.0070	Cost/MG	\$4.74	\$6.85	\$2.11
Av. Res. Plt. Tap	0.70	0.72	1 .	00000	*****		<del></del>
				<u> </u>	. ТА	ID.	
Water Quality:		aw	·	r		2022	1
	2021	2022	4	També dis.	2021	0.050	1
Turbidity	10.50	14.10	4	Turbidity	0.042	7.47	1
pH	8.23	8.20	-	pH	7.63	103.8	1
Alkalinity	114.1	119.0	-{	Alkalinity_	103.2	0.00	1
MF (E-Coli)	0.7	0.3	4	Plate Count	0.00 0	0.00	1
Temperature	33.0	32.7	4	Colilert		33.8	1
Wash-H20 % /LL	1.91	1.77	4	Temp.	34.1 0.89	0.89	1
Av. Flt. Run/hrs Av. ROF / MG	131.3 1.32	148.3 1.43	-	Cl Res.	0.09	0.09	]
AV. ROF / IVIG	. 1.32	1.40	J ·				<b>\</b>
Natural Gas:		•			· · · · · ·		<del></del>
[ [	2021	2022	7	Γ	2021	2022	Diff.
Not Con Hastiss		-357	Plant & South Basin	a 1	\$2,425.48	#DIV/0!	#DIV/0!
Nat. Gas Heating Nat. Gas Pumping	2,932 762	357	I IAIIL & SOULIT BASII	<b>⊣</b>	\$29.54	#DIV/0!	#DIV/0!
Tac Gao Famping		<u> </u>			····		
	CCF	Cost		Natural Gas CCF			
#3 Gas Pump	0.0	) #DIV/0!	\$0.00	00			

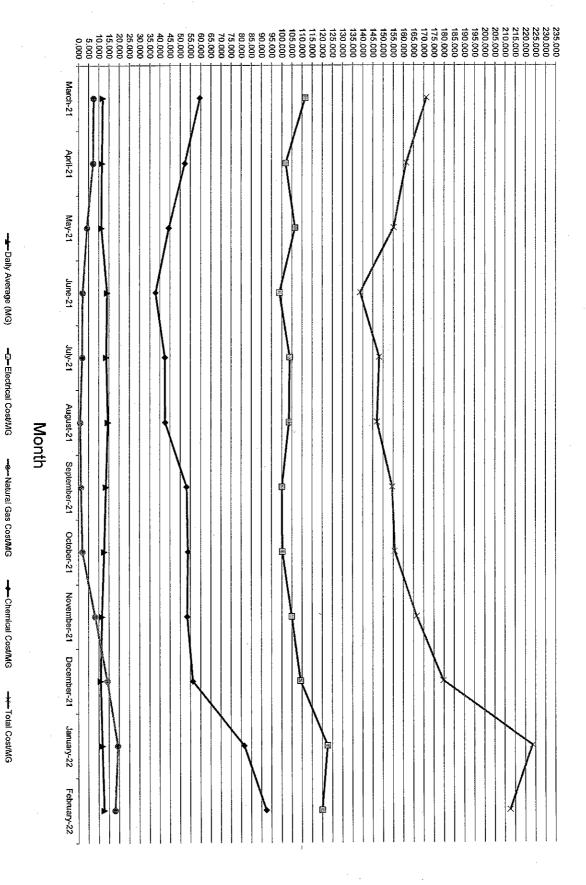
Г	CCF	Cost	Natural Gas Cost	Natural Gas CCF
#3 Gas Pump	0.0	#DIV/0!	\$0.00	0
#4 Gas Pump	144.0	#DIV/0!		
#7 Gas Pump	112.5	#DIV/0!		
Electric Generator	100.0	#DIV/0!		
Pumping totals	356.5	#DIV/0!		

February 2022

Second   S		rebluary 2	022				_			
September   Sept			3/1/2022	2/1/2022				3/1/2022	2/1/2022	
3.13%   Wash Pump Meter   5.374.11   5.353.09   21.02   SYSTEM No. 2 Mag Meter   3.403.699   3.055.869   347.830   0.0   0.0%   No. 8 Pump   742.4   737.9   4.5   No. 2 Mag Meter   (Reset to zero each month)   347.830   347.830   99.4%   No. 9 Pump   17.466.0   16.798.0   668.0   No. 9 Pump   17.466.0   16.798.0   668.0   No. 2 Prime Pump   1.038.7   1.038.2   0.5   0.740233333   KV/H >>>	% Run	Elapsed Time:				_				
0.7% No. 7 Pump 742.4 737.9 4.5   0.0% No. 9 Pump 9 59,533.6 99,533.6 0.0   99.4% No. 9 Pump 17,46.0 16,798.0 668.0   10.4% Wash Pump 2 800 800 3   No. 1 Prime Pump 1,038.7 1,038.2 0.5   No. 2 Prime Pump 1,038.7 1,038.2 0.5   No. 2 Prime Pump 1,038.7 1,058.2 0.5   No. 9 Pump 2,058.2 0.5   No. 9 Pump 2,058.2 0.5   No. 9 Pump 3,058.2 0.5   No. 9 Pump 4,058.2 0.5   No. 9 Pump 6,058.4 0,000.3	68.6%	No. 6 Pump	65,614.1	65,153.4	460.7	SLUDGE No	o, I Hour Meter	0.0	0.0	0
0.0% No. 8 Pump   59,533.6   59,533.6   0.0   99.4% No. 9 Pump   17,466.0   16,798.0   668.0   0.4% Wash Pump 2   80.3   80.0   3   No. 1 Prime Pump   1,036.7   1,038.2   0.5   No. 2 Prime Pump   1,107.7   1,106.8   0.9   No. 3 Pump   1,107.7   1,106.8   0.9   No. 9 Pump   5382.57   5343.14   39,434   PSPUVIOI   No. 9 Pump   5382.57   5343.14   39,434   PSPUVIOI   No. 9 Pump   6834.4   6834.4   0   PSPUVIOI   No. 9 Pump   10127.3   10007.3   33,600   PSPUVIOI   No. 9 Pump   6716.246   6804.786   111.459   PSPUVIOI   No. 2 Pump   2716.246   6804.786   111.459   PSPUVIOI   No. 2 Pump   2716.246   6804.786   111.459   PSPUVIOI   No. 2 Pump   9,296.285   9,173.810   122.455   PSPUVIOI   No. 4 Pump   9,296.285   9,173.810   122.455   No. 1 Pump   9,296.285   9,173.810   122.455   PSPUVIOI   No. 4 Pump   9,296.285   9,173.810   122.455   PSP	3.13%	Wash Pump Meter	5,374.11	5,353.09	21.02	SYSTEM No	o, 2 Mag Meter	3,403,699	3,055,869	347,830
99.4% No. 9 Pump 0.4% Wash Pump 2 803 800 740233333 KWH >>> 452,000	0.7%	No. 7 Pump	742.4	737.9	4.5	Re	ecycle Meter (Reset	to zero each month	3)	347,830
99.4% No. 9 Pump 0.4% Wash Pump 2 803 800 432,412.05 800 440.18 3.170 800 444.18 600 444.18	0.0%	No. 8 Pump	59,533.6	59,533.6	0.0	7			_	
No. 1 Prime Pump		•			668.0					
No. 1 Prime Pump		•				Power Cost	\$0.0808009	8ill >>>>	\$34,905,97	
No. 2 Prime Pump	• • • • • • • • • • • • • • • • • • • •	<i>"</i> }				ــــــــــــــــــــــــــــــــــــــ		, KMH >>>	432,000	
S   KWH   Color   Kwiller run   Watthour Meters;   S   KWH   L.L. Cost   \$5,901.20		· · · · · · · · · · · · · · · · · · ·	-			Init Cha				73.034
Mile   Matthour Meters   Met		No. 2 minor amp	1,101.5	1,100.0	0.0			KWH	-	
Total Cost   \$23,921.17   \$30,00   \$3	14-111	 	ļ	ı		Vehler Dit	<del></del>	18111		
Section   Sect						¬ ├─	211212	0.470	- F	
#DIV/0! No. 8 Pump		· •				┥ ⊢			H.L. Cost \$[	\$23,921.17
72.9	59.0	No. 9 Pump		5343.14					г	
124.3	#DIV/0!	No. 8 Pump			_	ALT. 72 Park			Total Cost	\$29,822.37
Second   S	72.9	No. 6 Pump		10007.3						
#DIVIOI No. 2 Pump 299.1 No. 3 Pump 9599.853 9537.716 62.137 Washington \$197.00 1.338 #79.1 No. 5 Pump 9599.853 9537.716 62.137 Vashington \$197.00 1.338 479.1 No. 5 Pump 9.296.265 9.173.810 122.455 Total \$42,846.64 499.452 #79.1 No. 5 Pump 9.296.265 9.173.810 122.455 Total \$42,846.64 499.452 #79.1 No. 5 Pump 9.296.265 9.173.810 122.455 Total \$42,846.64 499.452 #79.4 No. 5 Pump 9.296.265 9.173.810 122.455 Total \$42,846.64 499.452 #79.4 No. 5 Pump 9.296.265 9.173.810 122.455 Total \$42,846.64 499.452 #79.4 No. 1 Pump 9.296.265 9.173.810 122.455 Total \$42,846.64 499.452 #79.4 No. 1 Pump 9.296.265 9.173.810 122.455 Total \$42,846.64 499.452 #79.4 No. 1 Pump 9.296.2		Wash Pump 2								
299.1 No. 3 Pump	540.2	No. 1 Pump		8604.786	111,459				-	
#DIV/0! No. 4 Pump No. 5 Pump 9,296.265 9,173.810 122,455 Total \$42,846.64 499,452    Garage (MWatt/Hrs.)   1,050.83	#DIV/0!								Plant Costs [	\$5,051.01
A79.1   No. 5 Pump   9,296.265   9,173.810   122,455   Eric Ave. Total   \$42,846.64   499,452	299.1	No. 3 Pump	9599,853	9537.716						
Continue	#DIV/0!	No. 4 Pump		-		_  Office	\$479.78	4,601		
Power Co. (Step #3)   35,093   34,735   429,600	479.1	No. 5 Pump	9,296,265	9,173.810	122,455					
Power Co. (Step #3) 35,093 34,735 429,600  Left Meter - OUTSIDE  Volume Used:  Nat. Gas (Correct) 44,285,900 44,061,227 282,414  SUMMARY    HIGH LIFT   LOW LIFT		_				Total	\$42,846.64	499,452		
Left Meter - OUTSIDE   Volume Used:   Nat. Gas (Correct)   44,285,900   44,061,227   282,414   SUMMARY   HIGH LIFT   LOW LIFT   2021   2022   2022   2021		Garage (MWatt/Hrs.)	1,050.83	1,049.48	1,350					
Left Meter - OUTSIDE   Volume Used:   Nat. Gas (Correct)   44,285,900   44,061,227   282,414   SUMMARY     HIGH LIFT   LOW LIFT   2021   2022   2022   2021   2022   2021   2022   2021   2022   2022   2021   202		Power Co. (Step #3)	35 093	34.735	429.600	7				
Volume Used:   Nat. Gas (Correct)   44,285,900   44,061,227   282,414   SUMMARY			50,050	01,100	(==)===	<b>_</b>				
Nat. Gas (Correct)   44,285,900   44,061,227   282,414   SUMMARY										
Figure   F			44.285.900	44.061,227	282,414	SUMMARY				
Elapsed Time:			· · · · · · · · · · · · · · · · · · ·				HIGH LI	FT	LOW LI	FT
Emer. Generator   999.5   994.5   5.0   Dally Ave.   11.799   12.620   11.779   12.669						,	2021	2022	2021	2022
Emer. Generator   999.5   994.5   5.0   Daily Ave.   11.799   12.620   11.779   12.669   Max. Day   13.433   13.987   13.627   13.984   Min. Day   9.471   9.989   9.496   9.866   30.7%   No. 1 Pump   16,163.5   15,957.2   206.3   By Nat. Gas   1.610   2.433   1.416   2.433   0.0%   No. 2 Pump   20,169.26   20,169.26   0.00   Power KWH   280,898   296,051   63,237   73,034   20.98   20.		Elapsed Time:				Tot, Pump	330.364	353,356	329,799	354.732
Max. Day         13.433         13.987         13.627         13.984           Mon. Day         9.471         9.989         9.498         9.866           30.7%         No. 1 Pump         16,163.5         15,957.2         206.3         By Nat. Gas         1.610         2.433         1.416         2.433           0.0%         No. 2 Pump         20,169.26         20,169.26         0.00         Power KWH         280,888         296,051         63,237         73,034           30.9%         No. 3 Ret. C Pump         33,374.1         33,166.3         207.8         Gals/KWH         1170         1185         5193         4824           0.0%         No. 3 Nat. Gas Pump         517.9         517.9         0.0         Cost/KWH         \$0.07772         \$0.08080         ************************************			999.5	994.5	5.0	Daily Ave.	11.799	12,620	11.779	12.669
30.7% No. 1 Pump 16,163.5 15,957.2 206.3 By Nat. Gas 1.610 2.433 1.416 2.433 0.0% No. 2 Pump 20,169.26 20,169.26 0.00 Power KWH 280,898 296,051 63,237 73,034 30.9% No. 3 Elec. Pump 33,374.1 33,166.3 207.8 Gals/KWH 1170 1185 5193 4824 0.0% No. 3 Nat. Gas Pump 517.9 517.9 0.0 Cost/KWH \$0.07772 \$0.08080 ********************************							13,433	13,987		
30.7% No. 1 Pump 16,163.5 15,957.2 206.3 By Nat. Gas 1.610 2.433 1.416 2.433 0.0% No. 2 Pump 20,169.26 20,169.26 0.00 Power KWH 280,888 296,051 63,237 73,034 30.9% No. 3 Elec. Pump 33,374.1 33,166.3 207.8 Gals/KWH 1170 1185 5193 4824 0.0% No. 3 Nat. Gas Pump 517.9 517.9 0.0 Cost/KWH \$0.07772 \$0.08080 ********************************	% Run	Flansed Time:				Min. Day	9,471	9,989	9.496	9.866
0.0%         No. 2 Pump         20,169.26         20,169.26         0.00         Power KWH         280,898         296,051         63,237         73,034           30.9%         No. 3 Elec. Pump         33,374.1         33,166.3         207.8         Gals/KWH         1170         1185         5193         4824           0.0%         No. 3 Nat. Gas Pump         - 517.9         517.9         0.0         Cost/KWH         \$0.07772         \$0.08080         ************************************			16,163,5	15,957,2	206.3	By Nat. Gas	1.610	2.433		
30.9% No. 3 Elec. Pump 0.0% No. 3 Nat. Gas Pump 0.0% No. 4 Elec. Pump 0.0% No. 4 Elec. Pump 0.0% No. 4 Nat. Gas Pump 1.697.2 1.694.0 3.2 Tot. Cost/MG \$118.92 \$121.26					0.00	Power KWH	280,898	296,051		73,034
0.0%         No. 3 Nat. Gas Pump         - 517.9         517.9         0.0         Cost/KWH         \$0.07772         \$0.08080         ************************************								1185		
0.0%         No. 4 Elec. Pump         0.00         0.00         0.0         Cost/MG         \$66.08         \$67.70         \$14.90         \$16.64           0.5%         No. 4 Nat. Gas Pump         1,697.2         1,694.0         3.2         Tot. Cost/MG         \$118.92         \$121.26         ************************************							\$0.07772		1.	
0.5% No. 4 Nat. Gas Pump 1,697.2 1,694.0 3.2 Tot. Cost/MG \$118.92 \$121.26 ************************************								\$67.70		
38.0% No. 5. Pump 19,444.930 19,189.350 255.580								\$121.26	安全市大学会会	****
						_	•			
	0.0%	UV Building Generator	117.4	117.4	0	7				







## Filter Plant Maintenance Completed For February 2022

StartDate EndDate Description

Yellow indicates days operating or running labs

Subject

Clean and organize maintenance show	Maintenance Shop   17-Feb-22
Rebuild generator/pump 7 spare water pump.	Water Pump 17-Feb-22
	Water Pump 17-Feb-22
Check, clean, and calibrate East, West, and South SWAN hypo meters.	Service Swan Hypo Meters 17-Feb-22
Install coupling shield.	Wash Pump 2 16-Feb-22
Service/grease, clean area, and label.	Wash Pump 2 16-Feb-22
Install two brackets on drain line; by filter 10.	
Dentist 8-9.	me
Purchase sample pump impellors.	duc
Run new communication cable for upstairs scanner.	Upstairs Comm Cable 14-Feb-22
scann	Scanner Extension Cable 14-Feb-22
_	Brackets and Wash Pump 2 Shield 14-Feb-22
Topics include low lift alarm, SCADA upgrades, coverage, data line, etc.	
Grind and sandblast wash pump 2 coupling surround.	oupling Surround
Grind and sandblast two drain brackets.	Pipe Gallery Drain Bracket 11-Feb-22
Joshua on vacation.	Joshua Vacation 11-Feb-22
Fabricate and weld two large brackets to hold pipe gallery drain pipe; behind filter 10 piping.	Two Large Brackets 10-Feb-22
Install new large sump in the pipe gallery.	ump
Begin cleaning sump pit in pipe gallery and throw out garbage.	Sump Pit and Garbage's   10-Feb-22
Clean filter 5 NTU meter for high reads.	
Adjust mercury switch to repair intermittent pump on/ no flow condition.	
Purchase urinal cakes for plant bathrooms.	Trilling's 10-Feb-22
Inspect reservoirs after power outage; Eris also needed reagents for hypo meter.	Taylor Hill and Erie 10-Feb-22
Collect lab sample, walk grounds, etc.	Horizon 10-Feb-22
Grind rust off wash pump 2 coupling shield.	Wash Pump 2 Shield 10-Feb-22
Track down parts, receive quotes, and create PO's.	Sewer Lift Pump, Sump pump, and Water 9-Feb-22
	Wash Pump 2 9-Feb-22
Remove large pipe gallery sump pump; currently inop, and electrical cord is split.	Large Pipe Gallery Sump 9-Feb-22
Purchase new Large sump pump for pipe gallery.	Dakota Suppiy Group 9-Feb-22
Raw water improvement project, sewer lift pump, coverage, wash pump 2, pipe gallery lighting, etc.	
Attempt to diagnose UV communication alarms/issue.	UV Alarms 7-Feb-22
Throw away trash and recycling.	age
Switch UV reactor from West to East train.	UV East/West 7-Feb-22
Look throughout the plant, sheds, and utility for sewer lift pump.	Sewer Lift Pump 7-Feb-22
Bring fire extinguishers back, check/fill reagents, and walk grounds.	Horizon and Georgia Ave. 3-Feb-22
Inspect reagents, return fire extinguishers, and walk grounds.	nd Erie Ave.
Return fire extinguisher and collect lab sample for E.	Wilgus Ave. 3-Feb-22
Clean floors, organize tools, replace parts, etc.	Maintenance Shop 3-Feb-22
Purchase 1/8" and 1/4" brass fittings for generator water pump repair.	Menards 2-Feb-22
Fabricate repair bracket for vice, easy out 1/8" fitting from old pump, free 1 1-2" fitting from old pump, and hand machine v-belt pulley.	Water Pump 2-Feb-22
Installed new generator water pump (rebuilt unit), 9 gallons of coolant, 3x 1/8" fittings, and the coolant filter.	Generator Water Pump 2-Feb-22
Joshua 1hr sick time for Chiro	Joshua 1Hr Sick Time 1-Feb-22
Install new hypo transfer pump.	Hypo Transfer Pump 11-Feb-22
Continue organizing files in record room.	Record Room 1-Feb-22
Throw garbage and recycling into dumpsters.	35
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Continue game planning H.L. pit lights, conduit, and plumbing.  Coverage, raw water improvement project, SMART goals, crew work, orthophosphate bulk tank expansion, etc.	28-Feb-22 28-Feb-22	H.L. Pit Lights  Monday Meeting
Shovel and salt filter plant grounds.	25-Feb-22	Shovel Filter Plant Grounds
Clean, add CLR, change desiccant packs, calibrate, and check	25-Feb-22	UVT% Meters
Continue mapping high lift packing water lines	25-Feb-22	High Lift Cooling Water
Check coolant, inspect oil level, return rebuilt water pump to loc	25-Feb-22	Plant Generator
Map and diagram high lift and low lift packing water lines.	24-Feb-22	High Lift Cooling Water
Map and diagram high lift RPZ lines.	24-Feb-22	High Lift RPZ
Replace all three feed tubes, rinse feed lines, and lube rollers	24-Feb-22	Alum Feed Tubes
	-	Suction Well Recycle Line
	24-Feh-22	Dan operating 1st shift
Install shelf in ops office.	23-Feb-22	Ops Office Shelf
Look up parts, pricing, and gain approval for cabinet replacement.	23-Feb-22	Laboratory Cabinets and Pricing
Link up with crew to discuss ortho bulk tank install and high lift	22-Feb-22	High Lift Service
Bring new reagents and free ice from tank air mixing drain.	22-Feb-22	Georgia Ave.
Collect laboratory samples for Collect tests; Horizon, Wilgus,	22-Feb-22	Collect Laboratory Samples
Clean East, West, and South NTU meters.	22-Feb-22	Clean NTU Meters
Joshua covering laboratory for Eric.	22-Feb-22	Joshua Covering Laboratory
Dan off sick time.	21-Feb-22	Dan Sick Time
Check grounds, inspect reagents, and collect lab sample	21-Feb-22	Horizon Ave.
Check reagents, ensure heaters operational, collect Collect sa	21-Feb-22	Taylor x 2
Check generator, inspect hypo reagents, collect Colliert, and return for lab sample.	21-Feb-22	Erie x 2
Refill reagents on hypo meter, reset tower air circulator, collect Colliert, and return for lab sample.	21-Feb-22	Georgia Ave. x 2
Joshua cover laboratory for Eric.	21-Feb-22	Joshua Cover Laboratory
Clean toilet, scrub urinal, and mop floor.	18-Feb-22	Lower Level Bathroom
Sweep and mop lower level floor.	18-Feb-22	Low Level Floor
Sweep and Zamboni filter hall floor.	18-Feb-22	Filter Hall Floor
Clean filter hall tables.	18-Feb-22	Filter Tables
Continue painting generator water pump.	18-Feb-22	Water Pump
Dan off sick time.	18-Feb-22	Dan Sick Time
Create layout, get prices, and begin requisition process.	17-Feb-22	Operator Area Design and Approval
Contact Maggie for pricing on SWAN hypo meter tubes	17-Feb-22	SWAN Analyzers